**SANGAMESHWAR COLLEGE (AUTONOMOUS), SOLAPUR**

**DEPARTMENT OF ZOOLOGY**

**Minutes of the 4th BOS (Zoology) Meeting**

A meeting of Board of Studies in Zoology of Sangameshwar College, Solapur (Autonomous) was held on 11th March 2022 at 11.30 am to discuss and finalize B.S. III draft syllabus to be implemented from 2022-23.. The said meeting was arranged on Zoom platform. The link for the online meeting was as under:

**https://us02web.zoom.us/j/82917045846?pwd=OWovMUxBKzU5STh6R2xIdzVhL2t6UT09**

**Meeting ID: 829 1704 5846**

**Passcode: 127232**

**Agenda of the meeting:**

**1)Confirmation of the minutes of the previous meeting.**

**2)Discussion of UG third year draft syllabus.**

**3)From the academic year compulsory skill enhancement course syllabus prepared, presented for the confirmation of the BOS.**

**4)Any other item with the permission of chair.**

Following members were present for the meeting:

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Name of the Member** | **Designation** |
| 1 | Dr.Bagale Mahananda Balasaheb | Chairman |
| 2 | Dr. Bhagwan Hemant  (Subject experts from outside the Parent University) | Subject Expert outside the Parent University |
| 3 | Dr. Sarwade J.P.  (Subject experts from outside the Parent University) | Subject Expert outside the Parent University |
| 4 | Dr. Tambade L. R.  (Representative from Industry/Corporate sector/allied area) | Industry expert |
| 5 | Dr. Ms.Shagalolu V. V.  (Postgraduate meritorious alumnus) | PG Meritorious Alumnus |
| 6 | Dr. Gavhane U.V.  (V.C.Nominee from the Parent University) | Member |
| 7 | Shri. Patil S.S. | Member |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |

**All the members were present for the BOS meeting.**

**Discussion as per Agenda:**

1. **To confirm the minutes of the previous meeting:**
2. **Healthy and useful meeting discussion was carried out on the Draft B.Sc-III syllabus.**

**Action taken Report:**

* 4th Zoology BOS committee meeting was conducted on 11th March 2022 at 11.30 am to discuss and finalize B.S. III draft syllabus to be implemented from 2022-23.
  + Healthy and useful meeting discussion was carried out on the Draft B.Sc-III syllabus. The suggestion given by the BOS subject experts are listed below.

**The suggestion from BOS members :**

**Dr. Ghavane Usha, VC Nominee, PAH, Solapur University , Solapur**

* Keep proportion between the number of hours and subtopics included in that particular unit.
* In paper no. XI Endocrinology Unit-1: Introduction to Endocrinology -Brief introduction of endocrine glands-

Introduce the endocrine gland names: Thyroid, Parathyroid, Pancreas, Adrenal, Thymus, Ovaries and Testes except the pituitary and pineal glands.

* Introduce the economic importance for all topics for Paper- XVI Applied Zoology.

**Dr. Patil S. S suggested**  minor suggestions in paper-IX Molecular Biology Unit-1. Nucleic acids and Unit-2 in DNA replication and Unit-4 Translation.

* Introduce Unit- 1 in Paper – X – Principles of Genetics new unit i.e Basic concepts in genetics- concept of genes and alleles, homologous chromosomes, concept of homozygous and heterozygous , concept of dominance and recessive.
* Introduce some minor changes in the title of unit i.e. old title was mendelian genetics and it’s extension. His suggestion is mendelian Genetics, allelic and genetic interaction and some minor changes introduced in this unit. i.e under the laws of Mendelian inheritance; Law of dominance, law of segregation and law of independent assortment and mentioned separately allelic interactions and introduce some minor changes in this paper.
* Introduce in Paper – XII wildlife conservation and management, in Unit : Protected areas -Zoogeographical regions of World & India, Biodiversity hotspots
* Introduce Wild life conservation laws in India; social movements for environmental conservation:- Concept of environmental movement, origin of environmental movements in India, some popular environments movements in India
* Introduce in Paper-XIV – Evolutionary Biology in Unit No.3. Evidances of Evolution Recapitulation theory and homologus and analogus organs and some minor change in this paper.
* Introduce some minor changes in Paper-XV Animal behaviour and chronobiology.
* Indrodcuce in Paper- XVI Applied Zoology major changes in this paper includes in Unit- Fisheries : Introduce designing and construction of fishing tanks, fresh water fish varieties for small scale fishery, food and feeding, fish farm management and in Unit : Sericulture various equipment’s required for farm management and silk marketing and introduce new Unit: Vermiculture- species of earthworms for rearing, Design of vermiculture pit, preparation of vermibed, vermiculture pit management, vermiwash, vermicompost, enemies and diseases, commercialization of vermicompost.
* Introduce new practical in practical – I in molecular biology

1. Construct a paper model of DNA by using nucleotides.
2. Introduce field visit, Hospitals/Pathology Lab/ Survey, sample collection and data analysis (optional).

Introduce new practical in practical- IV Applied Zoology.

1. Study of N., P. K constituents of vermicompost.

**Dr. Bagale M. B , Chirman suggested minor changes.**

Introduce in Paper – XII wildlife conservation and management, in Unit : Protected areas introduce Wetlands, Mangroves and Ramsar sites. Definition and concept of different categories of IUCN’S red data list.

Introduce some minor changes in Paper – XIII Animal physiology : Life sustaining systems.

Introduce some minor changes in Paper – XVI- Applied Zoology.

All the other members accepted the syllabus and they have appreciated that the syllabus is according to the guidelines of UGC framework.

After making all suggestion and final correction in the syllabus it is forward further to the academic council for final approval

After an in-depth discussion, the committee members unanimously approved the syllabus.

Finally, with the chair's permission, the meeting ended with vote of thanks by Dr.Bagale M.B

Dr.Bagale M.B

**BOS Chairman**

Screenshot of Online Meeting (Attendance)

